

**Table 1. Summary of Contaminant Removal ST012**

Time Period	Activity	Gallons PHC Removed	Source
Thru 12/2011	Multiple	671,000	Final ST012 Focused Feasibility Study, Table 3-5
9/29/2014-4/29/2016	SEE	403,092	ST012 Weekly Progress Report, 29 April 2016 (6.57 pounds/gallon LNAPL)
1/2012-12/2012	SVE	13,493	Final ST012 SVE 2012 Annual Report
1/2013-12/2013	SVE	14,600	Final ST012 SVE 2013 Annual Report
1/2014-12/2014	SVE	14,100	Final ST012 SEE/SVE 2014 Annual Report
1/2015-12/2015	SVE	15,400	Working Copy ST012 SEE/SVE 2015 Annual Report
1/2016-3/2016	SVE	5,000	Estimated
4/2016-6/10/2016	SVE	33,516	Williams ST012 Weekly Report, through 17 June 2016 (6.57 pounds/gallon LNAPL)
Total		1,170,201	Does not include PHC reductions due to natural attenuation since 2011

**Table 2. Estimate of Remaining LNAPL Volume (gallons) ST012**

The Draft Final ST012 RD/RAWP Addendum 2, Appendix A indicates the Base Interpretation of the calculation-based estimates most closely correlates with expected and actual LNAPL removal performance within the SEE thermal treatment zones. These estimates will be updated based on collection of information on post-SEE site conditions.

Draft Final ST012 RD/RAWP Addendum 2, Appendix A	Calculation Based Estimate, Base Interpretation	Calculation Based Estimate, Conservative Interpretation
Within TTZ	350,000-470,000	480,000-640,000
Outside TTZ	90,000-190,000	170,000-330,000
Estimated pre-SEE Total	440,000-660,000	650,000-970,000
Removed by SEE, (Table 1)	403,000	403,000
Estimated Volume Remaining, Total	37,000-257,000 (based on mass removed through April 2016, Table 1) 160,300-245,000 (based on Appendix A)	247,000-567,000 (based on mass removed through April 2016, Table 1) 242,200-388,000 (based on Appendix A)

LNAPL – light non-aqueous phase liquids

PHC – petroleum hydrocarbon contaminants

SEE – steam enhanced extraction

SVE – soil vapor extraction

TTZ – thermal treatment zone

6/29/2016